

WHAT IS CLAIMED IS:

1           1.     An electronic system comprising:  
2                     a chassis;  
3                     a system component coupled to the chassis and having a first  
4 connector;  
5                     a first printed circuit assembly having a second connector; and  
6                     a link coupled to the system component and slidably coupled to the  
7 pivoting member, wherein pivoting of the pivoting member in a first direction  
8 moves the second connector into connection with the first connector and  
9 wherein pivoting of the pivoting member in a second direction moves the second  
10 connector out of connection with the first connector.

1           2.     The system of Claim 1 including at least one guide member is in  
2 slidable engagement with the first printed circuit assembly, wherein the at least  
3 one guide member is configured to guide movement of the first printed circuit  
4 assembly towards the system component.

1           3.     The system of Claim 2, wherein the at least one guide member  
2 includes at least one guide pin in slidable engagement with the first printed  
3 circuit assembly.

1           4.     The system of Claim 1, wherein the link is releasably coupled to the  
2 pivoting member.

1           5.     The system of Claim 1, wherein the link has an upper end  
2 configured as a handle for the first printed circuit assembly.

1           6.     The system of Claim 1 including a stiffener coupled to the first  
2 printed circuit assembly between the first printed circuit assembly and the link.

1           7.     The system of Claim 1, wherein the link extends opposite the first  
2 connector.

1           8.     The system of Claim 1, wherein the first printed circuit assembly  
2 has a center of mass and wherein the link is coupled to the first printed circuit  
3 assembly at the center of mass.

1           9.     The system of Claim 1, wherein the pivoting member includes a  
2 channel and wherein the link includes the head portion slidably received within  
3 the channel.

1           10.    The system of Claim 1, wherein the system component comprises  
2 a second printed circuit assembly having the second connector.

1           11.    The system of Claim 10, wherein the first printed circuit assembly  
2 is substantially parallel to the second printed circuit assembly as the pivoting  
3 member is pivoted.

1           12:    The system of Claim 10, wherein the first printed circuit assembly  
2 includes a first printed circuit board and a first plurality of components affixed to  
3 the first printed circuit board, wherein the first plurality of components extend in  
4 a direction away from the second printed circuit assembly.

1           13.    The system of Claim 12, wherein the second printed circuit  
2 assembly includes a second printed circuit board and a second plurality of  
3 components and wherein the second plurality of components extends away  
4 from the first printed circuit assembly.

1           14.    The system of Claim 1 including a spring coupled between the first  
2 printed circuit assembly and the chassis.

1           15.    The system of Claim 14, wherein the system component comprises  
2 a second printed circuit assembly and wherein the spring is configured to  
3 maintain the first printed circuit assembly substantially parallel with the second  
4 printed circuit assembly.

1           16. The system of Claim 1 including a stop surface configured to  
2 engage the first printed circuit assembly to limit movement of the first printed  
3 circuit assembly towards the system component.

1           17. The system of Claim 1, wherein the pivot member pivots about a  
2 horizontal axis.

1           18. An electronic subsystem for use with an electronic system having a  
2 chassis, a system component coupled to the chassis, and having a first  
3 connector and a pivoting member pivotally coupled to the chassis, the electronic  
4 subsystem comprising:

5                   a first printed circuit assembly having a second connector; and  
6                   a link coupled to the first printed circuit assembly and adapted to  
7 be slidably coupled to the pivoting member such that the link slides relative to  
8 the pivoting member as the pivoting member is pivoted to move the second  
9 connector between a connected state in which the second connector is  
10 connected to the first connector and a disconnected state.

1           19. The electronic subsystem of Claim 18, wherein the link is  
2 configured to be releasably coupled to the pivoting member.

1           20. The electronic subsystem of Claim 18, wherein the system  
2 component comprises a second printed circuit assembly and wherein the first  
3 printed circuit assembly is configured to be slidably supported relative to the  
4 second printed circuit assembly.

1           21. The electronic subsystem of Claim 18 including a stiffener coupled  
2 to the first printed circuit assembly between the first printed circuit assembly  
3 and the link.

1           22. The electronic subsystem of Claim 20, wherein the stiffener  
2 extends opposite the first connector.

1           23. The electronic subsystem of Claim 18, wherein the first printed  
2 circuit assembly has a center of mass and wherein the link is coupled to the first  
3 printed circuit assembly at the center of mass.

1           24. An electronic system for use with an electronic subsystem having a  
2 first printed circuit assembly with a first connector and a link extending from the  
3 first printed circuit assembly, the electronic system comprising:

4               a chassis;

5               a system component having a second connector and coupled to the  
6 chassis; and

7               a pivoting member pivotally coupled to the chassis, wherein the  
8 pivoting member is configured to slidably engage the link during pivoting to  
9 move the first connector and the second connector between a connected state  
10 and a disconnected state.

1           25. The system of Claim 24, wherein the system component comprises  
2 a second printed circuit assembly having the second connector.

1           26. The system of Claim 24 including at least one guide member  
2 configured to guide movement of the first printed circuit assembly.

1           27. The system of Claim 24 including at least one stop surface  
2 configured to engage the first printed circuit assembly to limit movement of the  
3 first printed circuit assembly towards the system component.

1           28. The system of Claim 24 including a spring coupled to the chassis  
2 and configured to engage the first printed circuit assembly.

1           29. The system of Claim 24, wherein the pivot member is configured to  
2 be releasably coupled to the link.

1           30. The system of Claim 24, wherein the pivoting member pivots about  
2 a horizontal axis.

1           31.   An electronic system comprising:  
2                   a chassis;  
3                   a first system component having a first connector and coupled to  
4 the chassis;  
5                   a pivot member pivotably coupled to the chassis;  
6                   a second system component having a second connector configured  
7 to mate with the first connector; and  
8                   a link coupled to the second system component and slidably  
9 coupled to the pivoting member, wherein pivotal movement of the pivoting  
10 member moves the first connector and the second connector between a  
11 connected state and a disconnected state.

1           32.   The system of Claim 31, wherein the second system component  
2 comprises a printed circuit assembly having the second connector.

1           33.   A method for manipulating a system component of an electronic  
2 system, the method comprising:  
3                   providing a link coupled to the system component and slidably  
4 coupled to a lever; and  
5                   pivoting the lever about an axis to move the system component in  
6 a direction perpendicular to the axis.

1           34.   The method of Claim 33 including disconnecting the lever from the  
2 link.

1           35.   The method of Claim 33, wherein the first system component  
2 includes a first connector, wherein the system further includes a second system  
3 component having a second connector connected to the first connector and  
4 wherein the method includes pivoting the lever until the first connector is  
5 disconnected from the second connector.

1           36.   The method of Claim 35, wherein the first system component  
2 includes a first connector, wherein the system further includes a second system

3 component having a second connector disconnected to the first connector and  
4 wherein the method includes pivoting the lever until the first connector is  
5 connected to the second connector.

1 37. The method of Claim 33, wherein the first system component  
2 includes a first connector, wherein the system further includes a second system  
3 component having a second connector disconnected to the first connector and  
4 wherein the method includes pivoting the lever until the first connector is  
5 connected to the second connector.

1 38. The method of Claim 33, wherein the first system component  
2 comprises a first printed circuit assembly and wherein the electronic system  
3 further includes a second printed circuit assembly and wherein the method  
4 further includes pivoting the lever about the axis while the first printed circuit  
5 assembly is substantially parallel to the second printed circuit assembly.

1 39. The system of Claim 33, wherein the first system component  
2 includes a first connector, wherein the system further includes a second system  
3 component having a second connector disconnected from the first connector  
4 and wherein the method includes pivoting the lever until the first system  
5 component engages a stop surface indicating that the first connector and the  
6 second connector are in a connected state.